A.N.A.R.T.S. News Bulletin 1414 for 17th of September 2006
Views expressed in this news bulletin are not necessarily those of the Broadcast Officer, the Relay Officers, or of the Society.
Items in this broadcast include
1. Cols column
2. IPS REPORT
3. VK2SG RTTY DX report
4. OPDX News
5. Anarts Information

Col's Column

Propagation of Radio Waves.
Ionospheric Irregularities.
Sudden Ionospheric Storms. (SID'S)
On occasions during the daytime, a sudden burst of ultra-violet light
from the Sun, known as a 'Solar Flare' produces very high ionisation of
the D Region, but has little effect on the other refracting layers.
The increased ionisation in the D region results in a considerable
increase in the absorption of radio waves in this region, with a subsequent
reduction of 'Field Strength'.
In extreme cases, these storms can result in complete loss of communications
for periods of several hours.
It is impossible to predict the occurrence of these disturbances, but it is
found that they occur in groups on the same day or successive days, and
repeat at intervals of one or more Solar Rotations.
Because these storms are caused by direct ultra-violet radiation from the
Sun, they never occur on the dark side of the Earth.
Ionospheric Scattering.
The ionisation distribution of the layers is not smooth, but contains
irregularities which cause scattering of the radio waves.
The strongest of these random refractions occur at F layer levels. and
at times even obscure the normal F layers refractions.
The effects of this ionospheric scattering are mostly observed at night,
especially in tropical latitudes and during ionospheric storms.
Scattering of much weaker amplitude occurs in the E region at times.
Next week we look at the Sun Spot Cycle. It is out of sequence but
I want to get that in before departing for the UK.
This leaves only the 5 different type of 'Fading', if there is not
time to cover them all, I will leave them with Pat VK2JPA to include
with the broadcast after I depart.
Hopefully, once I have established Email comms with Pat, I will be
able to continue sending her the Column. Maybe there will be lots of

items from a UK perspective.
73's for this week Col VK2CTD
IPS Weekly Solar and Geophysical Report 8/14th Sep
SUMMARY
Date 08 09
10 11 12
13 14
10cm flux 87 86
87 85 84
83 83
AFr index 4 1
5 7 2
3 4 est
Aaus index 4 2
4 5 4
5 3 est
T index 18 27
28 24 21
25 24
Solar flare activity was very low on 8/10th and 13th low
on 11/12th and 14th.
Geomagnetic activity observed for the Australian Region
was quiet except for
the 13th when it was quiet to unsettled.
Southern Australian Ionospheric F2 critical frequencies
were mostly near
predicted on 8th near predicted to 20 percent enhanced on
9th 11th 13/14th
near predicted to 15 percent enhanced on 10th and near
predicted to 30
percent enhanced on 12th.
Forecast for 15/21st Sep
Solar activity should be low.
Geomagnetic activity should see quiet to unsettled
conditions, with isolated
active periods possible on 15/16th.
Frequencies should be mostly near predicted monthly
values.
courtesy of the IPS Radio and Space Services
summary by Pat VK2JPA ANARTS Broadcast Officer
VK2SG RTTY DX NOTES week ending 14 Sep
Our information this week came from AA5AU I5FLN DJ3IW
UT5RP GB7DXG
the OH2AQ DX Summit and NG3K. Thank you all.
Bandpass
Friday 08
0134-14082 LU7YW
0854-14082 TM8CDX
0925-14082 KL7J
1010-14087 CN8SG
1051-14082 XU7ABN
1118-14085 R860T
1141-24920 VQ9LA
1252-18107 VR2XMT
1348-24900 TX5NK
1402-14078 GB8LS
1411-14083 OS1Q
1421-14083 SV5/SV1LK
1454-14085 G3MUL
1513-18103 SV5/SV1LK
1524-14085 HS0ZBS
1530-7036 LX/OO7A
1531-18104 SV3DCX

1544-14084 ER2NB
1625-14078 GB8LS
1625-14087 BG1BYV
1639-14083 LX/OO7A
1706-10138 7P8DJ
1727-18100 WN7DRX
1735-10135 UA3TT
1759-10139 7P8WO
1820-10140 M0AWX
1834-10141 CT1FUH
1837-10141 9A/0M4ATW
1902-7038 ES0IC
1909-7040
9A/OM4ATW
1915-7041 HZ1IK
1922-14086 VQ9LA
1946-10141 LZ1UQ
2116-14084 PY2BU
2131-3586 LX/OO7A
2145-14083 HC5T
2200-14089 HK4QMH
2200-14083 CU2AF
2215-14085 XE3RBA
Saturday 09
0035-14089 TX5NK
0128-18103 W1AW
0238-14080 UN1EE
0559-18101 UN1EE
0800-14082 LX/OQ0A
0939-14083 SU9FL
0944-14083 LX1DA
0958-14082 LX/OP7A
1009-14085 S0YTA
1024-14082 UN8PIM
1117-14085 EK6TA
1145-18100 JR7ANG
1248-14089 8S30JC
1332-14083 HS0ZBS
1353-14086 IU1DCI
1354-14078 GB8LS
1416-18101 7P8DJ
1449-14086 R860T
1506-18102 RA3CQ
1510-18102 LU3CQ
1511-18105 DL1RYD
1518-14080 7P8DJ
1528-18106 K0XB
1530-14088 YU150KT
1532-14089 VU2LBW
1616-14082 LX/OP7A
1635-14084 LX/OQ0A
1849-14089 TX5NK
1916-3584 IZ3GNL
1930-10143 YO3VU
1936-10144 EA5GQM
1938-10141 TX5NK
1947-10140 UN6G
2008-14090 4N150AE
2028-14085 HR2/LU1DY
2057-10142 9A5AN/P
2120-14083 9G1UW
2142-3588 TX5NK
2157-10140 UA3TT

2219-7039
SV5/SV1LK
2223-14090 TM8CDX
2259-14087 HK4QMH
2313-14089 EA6BH
2318-14065 HT0HH
2322-14087 HR2/LU1DY
2332-14083 BG1KCY
2339-14082 XE2BC
Sunday 10
0143-14088 JT800OK
0221-10141 RV9CPK
0224-14085 UN5J
0326-1838S V3AQN
0335-1838S V3DCX
0517-14083 UA0QBR
0807-18110 JT800OK
0826-18104 RA0QD
0909-18108 TX5T
0948-18110 7X0RY
1033-24910 TX5T
1043-24909 7X0RY
1051-14083 EI9EW
1101-18108 ER3MM
1142-14085 LX/OQ0A
1154-14083 BG1KCY
1231-21082 EA9IB
1331-14086 R860T
1430-18105 3B9FR
1449-21082 TX5T
1451-14084 HS1ZBS
1457-18104 W9OL
1457-18102 LZ1UQ
1505-18104 SU9FL
1510-18104 7X0RY
1518-18109 V51KC
1530-14087 OJ0LA
1535-21081 V5/DF3GY
1541-18104 KA2BZS
1541-14085 EK6TA
1542-18104 PA3FYG
1619-14085 JT800OK
1624-14087 OJ0LA
1638-14084 BG1KCY
1650-10136 JT800OK
1703-14085 IS0YTA
1704-14083 TX5T
1724-14082 EA9IB
1732-14083 XU7ABN
1755-14083 TR8CA
1820-14084 IM0MBP
1829-14082 XE2BC
1847-14080 XE3RBA
1850-14080 6W7RV
2000-10136 JT800K
2016-14083 YV4BCD
2058-14086 TU5KC
2128-14077 HK6DOS
2129-14080 YV4BCD
2131-14088 LU8EKC
2132-14079 VP8DIZ
2139-14084 TX5T
2140-10144 SV3DCX

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2147-14088 HR2/LU1DY
2147-14081 9G1UW
2157-14087 CU2AF
2207-14082 FM5AA
2213-14083 BG1KCY
2229-14085 XE3RBA
2230-14086 CE3DR
2240-14088 KP4FKN
Monday 11
0307-14080 UN1EE
0322-14080 BG1KCY
0539-18102 JT800OK
0637-18106 RX3AGD
0656-18106 OJ0LA
0712-14085 SV9/SV1AVD
0810-14086 OJ0LA
0834-18103 LZ1WE
0847-14080 TM8CDX
0858-24920 JT800OK
0925-24919 RX3AGD
1057-18100 UN1EE
1107-18100 DL2MDZ
1118-7036  K5AYC
1201-18104 GU3UOQ
1216-18104 JA1VND
1228-21080 6K5AYC
1246-21083 TM8CDX
1248-14083 SV9/SV1AVD
1347-14080 TA4/KH0DQ
1348-14084 TF3GC
1415-10145 RX0AE
1426-18104 VQ9LA
1507-14084 6W7RV
1519-14085 BG1KCY
1524-14082 7P8DJ
1540-14084 TF3GC
1612-10140 EX8AB
1617-10143 US0ZZ
1623-14081 ZS2EZ
1643-14089 TR8CA
1715-14090 4L4CR
1720-18102 W3ABT
1724-14082 V5/DF3GY
1726-7038  SV3DCX
1731-14090 4L4CR
1857-14083 CU2AF
1927-14084 OX3DB
1938-14084 9G1WU
1948-7038  OJ0LA
1953-14086 FM5AA
1956-14082 YM125ATA
1958-14080 XQ1KY
2031-14086 XE3RBA
2056-14089 TK/HB9ASZ/P
2105-10137 OJ0LA
2111-14085 HK4QMH
2116-14083 ZL3RG
2121-10136 TF3PPN
2125-14082 DS5RYB
2254-14085 CU2AF
2307-14080 XQ1KY
2348-14078 6Y5WJ
Tuesday 12
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0319-3590  W6N
0523-14082 UN1EE
0535-14088 4L4CR
0627-7038O J0LA
0724-14085 OJ0LA
0840-18105 TM8CDX
0856-18103 RU3QW
0904-18103 UN1EE
0922-10137 OJ0LA
0932-18103 RV3LO
0954-14085 OJ0LA
1000-14085 PJ2MI/PA
1125-14083 SV/UT5FB/MM
1131-14084 BD7KLO
1140-14085 G7TMU
1314-18100 TM8CDX
1320-14086 R860T
1340-14086 4L4CR
1342-10145 RX0AE
1344-14089 MW0CRI
1344-18106 JA8NFV
1404-14087 HS0ZBS
1451-14082 UN8PIM
1518-14082 5H3WJ
1544-14089 TA4/KH0DQ
1551-14088 EX8AB
1557-14087 OJ0LA
1609-14086 TF3GC
1640-14090 OS1Q
1703-10136 OJ0LA
1742-14085 OX3WS
1746-14087 CU2AF
1757-14090 OJ0LA
1800-10139 EX8AB
1802-14090 6W7RV
1815-7037  EX8AB
1818-7038  OJ0LA
1838-14082 CE1VCZ
1911-7037  UA3SDY
1933-14082 ER3MM
2025-14080 HQ1KY
2040-14084 9G1UW
2114-14084 TM8CDX
2118-14085 XE3RBA
Wednesday 13
0101-14087 HR2/LU1DY
0117-14081 TG9ANF
0243-14082 UN7DA
0436-14076 JT800OK
0639-21085 JT800OK
0645-10137 OJ0LA
0650-7037  OJ0LA
0729-14080 TM8CDX
0741-21086 JT800OK
0813-14086 OJ0LA
0938-18102 UN1EE
0956-18103 UY0IO
0959-18102 LA1TV
1000-7036  OJ0LA
1008-18104 OJ0LA
1034-18102 OH2LE
1042-14087 OJ0LA
1104-18102 VQ9LA
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1145-14084 BD7KLO
1148-14081 HS0ZBS
1153-18102 UN8BQ
1215-14086 XE3RBA
1221-14087 CU2AF
1320-18100 TM8CDX
1350-14085 BD4SX
1355-14089 BD3APX
1409-14085 ER2NB
1417-14086 6K2DFG
1441-14083 R860T
1534-14081 OJ0LA
1541-18104 WA3FRP
1728-14083 EX8AB
1743-3588 JT800OK
1853-14089 6W1SE
1901-14085 SV9/SV1AVD
1946-10140 VQ9LA
2010-14084 CN8IG
2028-7040 VQ9LA
2031-1838O J0LA
2129-14088 CN8KD
2225-14084 TF3YH
Thursday 14
0009-14085 HK4QMH
0210-3582 3XM6JR
0254-14080UN1EE
0621-140854Z4DX
0650-14087 VK3FM
0744-18102 UN1EE
0812-14085 IQ8NA
0846-10138 OJ0LA
0856-14083 4L4CR
0914-14088 PT7AZ
0942-14087 TM8CDX
0948-14089 OJ0LA
1033-18102 OJ0LA
1052-18102 CN8NK
1056-18104 RA9SKL
1122-18102 WP4HSZ
1129-18106 ON4CDX
1132-18102 G3OZN
1146-18100 HB9FAX
1201-18100 HK3GXI
1203-14085 XU7ABN
1204-14082 BD7KLO
1205-14082 HS0ZBS
1207-18100 LX1DA
1210-18106 ON8RH
1210-18105 IZ4GWE
1221-18106 UA1RJ
1221-14083 BD7KLO
1238-18098 BD7JLR
1242-14079 BD3AIY
1256-14079 BD3APX
1358-18103 TA4/KH0DQ
1401-14086 EA8RR
1409-18104 RA9SC
1412-14084 TF3GC
1509-10140 OJ0LA
1510-14088 BD3APX
1527-14084 HS0ZBS
1528-10138 RA3CQ

1603-18103 OJ0LA
1604-18102 RA3CQ
1604-10145 G3UAS
1608-10144 RD3BD
1610-18101 EA5XU
1614-18102 F6CXJ
1620-18104 WA3FRP
1630-7036 JT800OK
1630-18101 EA5XU
1709-14087 3B9FR
1829-14082 YM125ATA
1843-14086 OJ0LA
1940-14082 2E0LMA
2036-14089 8P9NX
2045-14081 EC8AUA
2048-10141 3XM6JR
2053-7036 JT800OK
Notes of interest:
Mongolia JT - Look for JT800OK until 08 Oct all modes.
QSL is via OK1XC
Market Reef OJ0LA the dxpedition finishes today 14 Sep.
QSL via LA9VDA
Dominica J7 21 - 27 Sep. Look for N1DL as J79DL and W4LFK
as J79MD.
They will be QRV in CQWW RTTY as J7R. QSL to home calls,
and J7R to N1DL.
Palau T88 21 - 24 Sep. JE1SYN and JP1IOF will be QRV as
T88YN and T88AS.
QSL to home calls.
Many stations will be QRV in CQWW RTTY over the weekend
of 23 and 24 Sep.
Check out www.ng3k.com/Misc/cqr2006.html for some of the
listed DX.
The VK2SG RTTY DX NOTES are distributed every week via
the
Winlink network, and are also available on the Internet
at
URL http://mailman.qth.net/mailman/listinfo/vk2sg-rtty
and the digital-dx reflector.
To subscribe to the digital-dx reflector, send an e-mail
message to majordomo at mla.nifty.ne.jp as follows:
Subject:(blank) Message Body: subscribe digital-dx
For next weeks bulletin, send your bandpass and notes of
interest to Luciano luciano.fusari at alice.it
73 GU0SUP
The Ohio/Penn DX Bulletin No. 775 -excerpts
4X4/4X70/4Z70, ISRAEL (Special Event)
Members of the Israel Amateur Radio Club IARC are hosting
a special event
museum station honoring 70 years of radio in Israel. The
special event station,
4X4IRS is located in the Holon Gallery of Design and Arts
which presents a wide
collection of old radios (broadcast) along with a modern
FM local radio station.
The activity started on Aug 15th but will run until Sept
30th. Most of the
operations have been on 20M CW SSB and RTTY. QSL via
4X6ZK.
IOTA NEWS
EU-008. Members of the Workington and District Amateur
Radio and IT Group MX0WRC
will be active as MS0WRC/P from the Edinbane Cottages

Isle Of Skye (IOSA NH-07,
SCOTIA CN-14, WW Loc. IO67SL, WAB NG35), Inner Hebrides)
between Sept 30th and
Oct 7th. Operators mentioned are Steve/G0MTD Mark/2E0MAX
Brian/G0OMB and Paul/
M1PAF. Activity will be mainly on the HF bands, 80-10M CW
SSB and digital modes.
QSL via G0MTD by the RSGB Bureau or direct to Stephen
Topping 7 Beckstone Close
Harrington Workington Cumbria CA14 5QR England.
JT, MONGOLIA
Czech operators Zdenek/OK1CCK Josef/OK1ES Milan/OK1FM and
Josef/OK1XC will be
active as JT800OK from Ulaan Baatar now thru Oct 8th.
Activity is planned for
160-10M CW SSB RTTY PSK31 and SSTV. QSL via OK1XC. Over
the past weekend the
team was heard on 20/17M. Visit their Web page for
pictures and online logs at:
http://www.shop73.com/jt800ok
SPECIAL EVENT
The French Ham Expo will be held once again in Auxerre
Burgundy from Sep
23/Oct 6th. French Ham Expo is said to be one of the most
important ham
meetings in Europe other than Friedrichshaffen. This
years special callsign
TM3NV will be aired by the Yonne area hams to remember
Antoine F3NV former
past President of the 89th Yonne Division of the National
REF-Union. Activity
will be on 160m-70CM, WARC and 6m included, using CW SSB
and digital modes.
QSL via F2WS, direct or by the bureau.
TK, CORSICA ISLAND
Operators Tom/HA4DX and Laci/HA0HW will be active from
here between Nov
2-10th. Activity will be on all bands also 160M CW SSB
RTTY and PSK31.
TU2, COTE D'IVOIRE
Jean Luc F5LDY is now active as TU2/F5LDY from Republic
of Ivory Coast until
about Sep 2007. He reports that the authorities of the
Ivory Coast do not
allow a full TU callsign unless your stay is longer than
2 years so they
authorized him to use the callsign TU2/F5LDY. According
to the Web page listed
below, Jean Luc's station is composed of a FT1000 MP with
a vertical Cushcraft
R7 a G5RV full size and a long wire for the 160m. Here
are his suggested
frequencies (if propagation permits)
CW 1818 3508 7008
10108 14008 18078 21008 24908 and 28008kHz
SSB 1848 3748 7048
14248 18148 21248 24948 and 28448kHz
6m - No activity.
RTTY - An interface made by F5KEE. Jean Luc will be
active from time to time.
No frequencies provided. Visit the following Web page for
update logs and
pictures at http://f5kee.free.fr/tu2-f5ldy/tu2ldy.htm

The Society can be contacted in the following ways
To Pat VK2JPA via patleeper at optusnet.com.au or
Col VK2CTD via ctdavies at bigpond.net.au or
you can drop a line to PO Box 93 Toongabbie NSW 2146.
73’s from Pat VK2JPA broadcast Officer
NNNN